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Abstract:

Objective and aim: Oral fungal diseases affect the majority of the population and can affect overall health. Nystatin is the most common drug used in the treatment of oral candidiasis. Presently, suspension is a common form of nystatin for oral use. Nystatin suspension has a bad taste and Swallowing may be cause digestive problems such as nausea and vomiting. In this study, efficacy of two forms of nystatin, suspension and chewing gums, is evaluated.

Materials and Methods: 60 patients with oral candidiasis voluntarily entered the Randomized clinical trial study and They were randomly divided into two equal groups. After producing nystatin gum, the first group received nystatin gum and the second group received nystatin suspension 100000 IU. After 2 weeks, the follow up appointment was arranged and the response to treatment was evaluated. Data were analyzed by SPSS 21 software and chi-square test was used to compare the groups.

Results: After 2 weeks, 7 patients in the chewing gum group and 5 patients in the suspension group recovered completely. Candidiasis was reduced in 12 patients in chewing gum group and 8 patients in suspension group. No change was seen 11 patients in chewing gum group and 16 patients in suspension group. there is no statistically significant difference in the success of treatment between the two groups.

Conclusion: The study showed that two forms of nystatin were effective in the treatment of oral candidiasis and the chewing gum is as effective as the suspension. Better acceptance, taking easily in all situations and better taste of nystatin gum, makes it a good alternative to nystatin suspension.

Key Words: oral candidiasis-nystatin chewing gum-nystatin suspension



**Qazvin University of Medical Science
School of Dentistry**

*A Thesis
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Title:

*Evaluation of efficacy of nystatin chewing gum and
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